

Norphlet Chemical Report
Week of April 6 – April 13, 2008
Evert Talbot

Several calls this week were made with the TULSTAR group regarding the progress of consulting by Fluoromer. Mark Nagle reconfirmed they can move from 10,000,000 lbs to 15,000,000 lbs this year if the plant is not delayed much longer. He clearly understands that we could be looking at 4 to 5 more months especially if we convert to vapor phase vs liquid. Pricing on the smaller 134a cylinders still remains in the \$2.00 per pound range. TULSTAR's contractual commitment is a minimum of 15,000,000 lbs per year.

I had intended for Mark Nagle to be present at our next board meeting. However, due to the sensitivity of the agenda, this was not discussed again with Bob, Brian and the operating committee. Hopefully he can join us for the next gathering.

PPG called and asked when an appropriate date could be set for them to come to Norphlet for a plant inspection pertinent to the receiving of trichloroethylene. We met with them at NPRA a few weeks ago and told them to give us at least a few more months. This meeting will not be set until we move much closer to plant start up. They had been to the plant in June of 2007 and had requested several modifications relative to safety.

Randy Belter from Zachary, LA came to my office on Friday. We spent the entire afternoon going over the history of his involvement with the plant. He was the Chemical Professor at Southeastern Louisiana College that handled the Grant given by Norphlet for design and chemical processing of on spec 134a. He worked hand in hand with Bradford Boyce on the project. Bradford was involved with the plant we have (as 141b) when it was owned and operated by LaRoche in Gramercy, LA.

Randy worked for several years at Great Lakes Chemical along with Yuichi Ikubo and Stephan Owen. He reported directly to Ikubo and was very complimentary of his knowledge and talents. These two consultants have called on Randy for research testing in his lab in 2007.

The subject of Charles Wylee DeLand also came up during our conversation. He is the gentleman wanting to work for us full time out of ATOCHEM in Metropolis, IL. Per Randy, Charles was an excellent plant manager and fluorine engineer while at LaRoche.

It was interesting to hear Randy say that he did not do any work on the 134a side of this conversion. All of his research was on making 133a. He also did not do any testing on catalyst for the 134a conversion. Additionally, Randy nor Bradford Boyce was responsible for the engineer drawings or PFD's for this process. That

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was left up to Norphlet. The token and incomplete drawings were sketched by one of the Great Lakes former employees at Norphlet during the time. Randy agreed that the drawings were grossly incomplete. He was amazed at how the plant was able to secure air and building permits without these required engineering drawings in detail.

Apparently two of the Norphlet Gas Chromatograph machines belong to Randy Belter. John Garrison, Vic and Scott Hill are aware of this. John was to pay him \$1000.00 each when the plant had revenues coming in from production. Also, Randy has a GC Mass Spec for the more delicate testing of organics when we start up. He would gladly do this testing for us for a reasonable fee.

In summary for Randy, he has been very disappointed in how he was personally treated during the entire start up phase. The only time he was called was when nothing was working right. In his opinion, Norphlet expected instant miracles at that time when most of the problems were process and mechanical related.

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